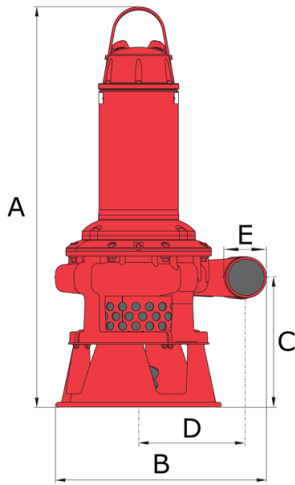


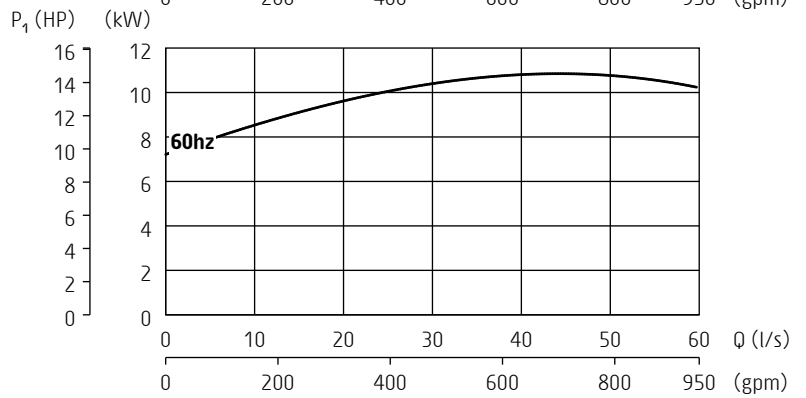
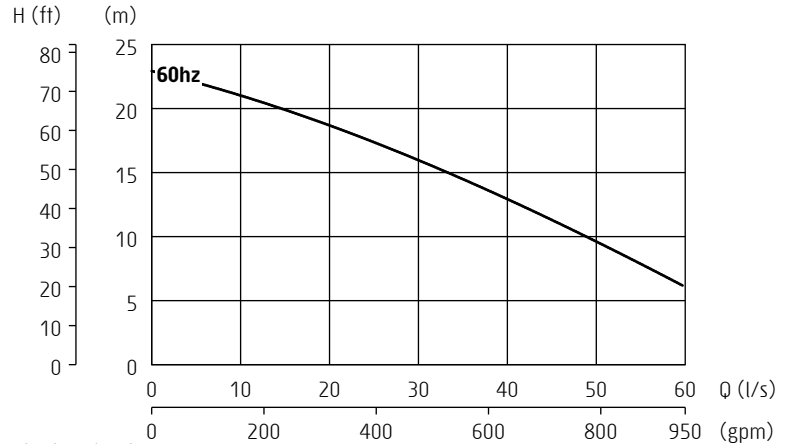
# Bravo 400

Electrical submersible slurry pump



60 Hz	Bravo 400
Discharge connection F	4"
Rated power P <sub>2</sub>	15 kW/ 20.0 hp
Max. power consumption P <sub>1</sub>	17 kW
Shaft speed	1755 U/min
Rated current at 230V	52 A
Rated current at 460V	26 A
Rated current at 575V	21 A
Solids passage with / without agitator	30 mm
Dimensions A / B / C / D	1148 / 595 / 337 / 265 mm
Dimensions A / B / C / D	45 / 23½ / 13 / 10½ "
Weight	231 kg / 509 lbs

Other voltages on request



ISO 9906/A

## General description

Pump with closed impeller and agitator for reliable pumping of highly abrasive slurry in high concentrations

## Classification

Electrical submersible slurry pump  
Protection class: IP 68

## Electrical motor

Squirrel cage induction motor  
Insulation class: H (IEC 85), DOL or star/delta

## Motor protection

Thermoswitches in motor windings

**This pump must be used with external motor protection in accordance with technical data**

## Cable - SubCab 20 m (66 ft)

230V DOL: 4x10mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
230V Y/D: 7x6mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
400-500V DOL: 4x6mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
400-500V Y/D: 7x4mm<sup>2</sup> + 2x1.5mm<sup>2</sup>

## Shaft seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

Material lower seal: tungsten carbide - tungsten carbide  
Material upper seal: tungsten carbide - tungsten carbide

## Materials

Drive unit: Cast iron  
Pump housing: Hard-Iron™  
Impeller: Hard-Iron™  
Lifting handle: Stainless steel  
Shaft: Stainless steel  
Agitator: Hard-Iron™  
Studs, screws and nuts: Stainless steel  
O-rings: Nitrile rubber

## Limitations

Max. submersion depth: 20 m (66 ft)  
Max. liquid temperature: 40 °C (104 °F)  
Allowed pH range: 5.5 - 14